

#5

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/517, 125A  
Source: PCT  
Date Processed by STIC: 04/11/2006

# ***ENTERED***

DATE: 04/11/2006

TIME: 12:32:35

Output Set: N:\CRF4\04112006\J517125A.raw

4/11/2006

## RAW SEQUENCE LISTING

DATE: 04/11/2006

PATENT APPLICATION: US/10/517,125A

TIME: 12:32:35

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04112006\J517125A.raw

```

71 1          5          10
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 23
76 <212> TYPE: PRT
77 <213> ORGANISM: Homo sapiens
79 <220> FEATURE:
80 <221> NAME/KEY: MISC_FEATURE
81 <222> LOCATION: (4)..(8)
82 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
85 <400> SEQUENCE: 5
W--> 87 Phe Thr Asp Xaa Xaa Xaa Xaa Xaa Arg Lys Gln Met Ala Val Lys Lys
88 1          5          10          15
91 Tyr Leu Asn Ser Ile Leu Asn
92          20
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 23
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 6
102 Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln Met Ala Val Lys Lys
103 1          5          10          15
106 Tyr Leu Asn Ser Ile Leu Asn
107          20
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 18
112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 7
117 Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys
118 1          5          10          15
121 Tyr Leu
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 23
127 <212> TYPE: PRT
128 <213> ORGANISM: Homo sapiens
130 <220> FEATURE:
131 <221> NAME/KEY: MISC_FEATURE
132 <222> LOCATION: (4)..(5)
133 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
136 <220> FEATURE:
137 <221> NAME/KEY: MISC_FEATURE
138 <222> LOCATION: (9)..(13)
139 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
142 <400> SEQUENCE: 8
W--> 144 His Ser Asp Xaa Xaa Phe Thr Asp Xaa Xaa Xaa Xaa Xaa Arg Lys Gln
145 1          5          10          15
148 Met Ala Val Lys Lys Tyr Leu
149          20
152 <210> SEQ ID NO: 9

```

## RAW SEQUENCE LISTING

DATE: 04/11/2006

PATENT APPLICATION: US/10/517,125A

TIME: 12:32:35

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04112006\J517125A.raw

```

153 <211> LENGTH: 23
154 <212> TYPE: PRT
155 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 9
159 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
160 1          5          10          15
163 Met Ala Val Lys Lys Tyr Leu
164          20
167 <210> SEQ ID NO: 10
168 <211> LENGTH: 23
169 <212> TYPE: PRT
170 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 10
174 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
175 1          5          10          15
178 Met Ala Val Lys Lys Tyr Leu
179          20
182 <210> SEQ ID NO: 11
183 <211> LENGTH: 28
184 <212> TYPE: PRT
185 <213> ORGANISM: Homo sapiens
187 <220> FEATURE:
188 <221> NAME/KEY: MISC_FEATURE
189 <222> LOCATION: (4)..(5)
190 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
193 <220> FEATURE:
194 <221> NAME/KEY: MISC_FEATURE
195 <222> LOCATION: (9)..(13)
196 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
199 <220> FEATURE:
200 <221> NAME/KEY: MISC_FEATURE
201 <222> LOCATION: (24)..(28)
202 <223> OTHER INFORMATION: X at positions 24 -27 may be any naturally occurring amino
acid re
203      sidue; X at position 28 may be H or any naturally occurring amino
204      acid residue
207 <400> SEQUENCE: 11
W--> 209 His Ser Asp Xaa Xaa Phe Thr Asp Xaa Xaa Xaa Xaa Xaa Arg Lys Gln
210 1          5          10          15
W--> 213 Met Ala Val Lys Lys Tyr Leu Xaa Xaa Xaa Xaa Xaa
214          20          25
217 <210> SEQ ID NO: 12
218 <211> LENGTH: 38
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
222 <220> FEATURE:
223 <221> NAME/KEY: MISC_FEATURE
224 <222> LOCATION: (4)..(5)
225 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
228 <220> FEATURE:

```

## RAW SEQUENCE LISTING

DATE: 04/11/2006

PATENT APPLICATION: US/10/517,125A

TIME: 12:32:35

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04112006\J517125A.raw

```

229 <221> NAME/KEY: MISC_FEATURE
230 <222> LOCATION: (9)..(13)
231 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
234 <220> FEATURE:
235 <221> NAME/KEY: MISC_FEATURE
236 <222> LOCATION: (24)..(38)
237 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
240 <400> SEQUENCE: 12
W--> 242 His Ser Asp Xaa Xaa Phe Thr Asp Xaa Xaa Xaa Xaa Xaa Arg Lys Gln
      243 1          5          10          15
W--> 246 Met Ala Val Lys Lys Tyr Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      247          20          25          30
W--> 250 Xaa Xaa Xaa Xaa Xaa Xaa
      251          35
254 <210> SEQ ID NO: 13
255 <211> LENGTH: 3
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 13
261 Phe Thr Asp
262 1
265 <210> SEQ ID NO: 14
266 <211> LENGTH: 3
267 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 14
272 His Ser Asp
273 1

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/517,125A

DATE: 04/11/2006  
TIME: 12:32:36

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\04112006\J517125A.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 4,5,6,7,8

Seq#:8; Xaa Pos. 4,5,9,10,11,12,13

Seq#:11; Xaa Pos. 4,5,9,10,11,12,13,24,25,26,27,28

Seq#:12; Xaa Pos. 4,5,9,10,11,12,13,24,25,26,27,28,29,30,31,32,33,34,35,36

Seq#:12; Xaa Pos. 37,38

**Invalid Line Length:**

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

**VERIFICATION SUMMARY**

DATE: 04/11/2006

PATENT APPLICATION: US/10/517,125A

TIME: 12:32:36

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04112006\J517125A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0

L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0

L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16

L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0

L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:16

L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:32